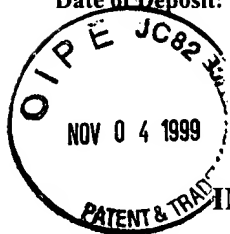


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Date of Deposit: November 4, 1999



PATENT

Attorney Docket No. 17810-049 (CTI-49 DIV 1)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Melissa Carpenter
ASSIGNEE: CYTOTHERAPEUTICS, INC.
SERIAL NUMBER: 09/178,035 EXAMINER: Christopher R. Tate
FILING DATE: October 23, 1998 ART UNIT: 1651
FOR: CULTURES OF HUMAN CNS NEURAL STEM CELLS

November 4, 1999
Boston, Massachusetts

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Batch D04

Assistant Commissioner for Patents
Washington, D.C. 20231

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TRANSMITTAL LETTER

Transmitted herewith for filing in the above-referenced patent application are the following documents:

- ☒ Transmittal of Payment of Issue Fee Under 37 C.F.R. §1.311 [2 pp.];
- ☒ a copy of PTO Issue Fee Transmittal, Form PTOL-85B, mailed October 13, 1999 [1 pg.];
- ☒ a check (#4737) for a total of \$635.00 -- \$605.00 for the Issue Fee under 37 C.F.R. §1.18(a) and \$30.00 for 10 advance order copies of the issued patent (\$3.00/copy) under 37 C.F.R. §1.19(a)(1) (i);
- ☒ Amendment After Allowance Under 37 C.F.R. §1.312(a) [2 pp.];
- ☒ Transmittal of Formal Drawings [1pg.];
- ☒ Letter to Official Draftsperson [1 pg.];
- ☒ copy of the Notice of Draftsperson's Patent Drawing Review, Form PTO 948 [1 pg.];
- ☒ FIGS. 1-4 [4 pp. Total]; and
- ☒ a return postcard.

Although Applicants believe that no additional fees are due in connection with this submission, the Commissioner is authorized to credit any overpayment or charge any deficiencies to Deposit Account No. 50-0311 (Reference No. 17810-049; CTI-49 DIV 1). A duplicate of this Response is enclosed herewith.

If the enclosed papers are considered incomplete, the Mail Room is respectfully requested to contact the undersigned collect at (617) 542-6000, Boston, Massachusetts.

Respectfully submitted,



Ivor R. Elrifi, Reg. No. 39,529

John Prince, Reg. No. 43,019

Attorneys for Applicants

c/o MINTZ, LEVIN, COHN, FERRIS,

GLOVSKY AND POPEO, P.C.

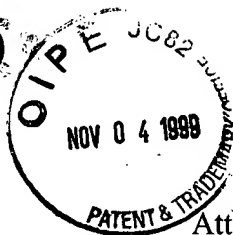
One Financial Center

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Express Mail Label No.: EJ695378036US
Date of Deposit: November 4, 1999



#10
PATENT

Attorney Docket No. 17810-049 (CTI-49 DIV 1)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Melissa Carpenter
ASSIGNEE: CYTOTHERAPEUTICS, INC.
SERIAL NUMBER: 09/178,035 EXAMINER: Christopher R. Tate
FILING DATE: October 23, 1998 ART UNIT: 1651
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November 4, 1999
Boston, Massachusetts

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Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL OF FORMAL DRAWINGS

In response to the Notice of Draftsperson's Patent Drawing Review, mailed January 28, 1999, enclosed herein are the following:

- ☒ Letter to Official Draftsperson [1pg.];
- ☒ a copy of the Notice of Draftsperson's Patent Drawing Review, Form PTO 948 [1 pg.]; and
- ☒ the formal drawing(s) for the above-referenced application, FIGS 1-4 [4 pp., total].

If the enclosed papers are considered incomplete, the Mail Room is respectfully requested to contact the undersigned collect at telephone (617) 542-6000.

The Commissioner is hereby authorized to charge any fees which may be required to Deposit Account No. 50-0311 (Reference No. 17810-049; CTI-49 DIV 1).

Respectfully submitted,

For R. Elrifi (Reg. No. 39,529)

John Prince (Reg. No. 43,019)

Attorneys for Applicants

c/o MINTZ LEVIN

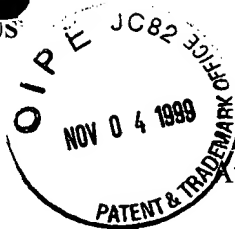
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Express Mail Label No.: EJ6953780300US
Date of Deposit: November 4, 1999



PATENT

Attorney Docket No. 17810-049 (CTI-49 DIV 1)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Melissa Carpenter
ASSIGNEE: CYTOTHERAPEUTICS, INC.
SERIAL NUMBER: 09/178,035 EXAMINER: Christopher R. Tate
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Washington, D.C. 20231

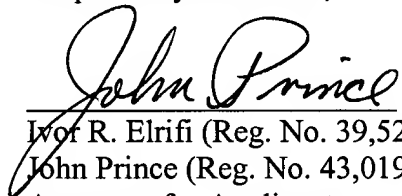
LETTER TO OFFICIAL DRAFTSPERSON

In response to the Notice of Draftsperson's Patent Drawing Review, mailed January 28, 1999, Applicants enclose a set of formal drawings, FIGS. 1-4 (4 sheets total), for the above-referenced patent application.

If the enclosed papers are considered incomplete, the Official Draftsperson is respectfully requested to contact the undersigned collect at telephone (617) 542-6000.

The Commissioner is hereby authorized to charge any fees which may be required to Deposit Account No. 50-0311 (Reference 17810-049; CTI-49 DIV 1).

Respectfully submitted,


Ivor R. Elrifi (Reg. No. 39,529)
John Prince (Reg. No. 43,019)
Attorneys for Applicants
c/o MINTZ LEVIN
One Financial Center
Boston, Massachusetts 02111
Tel.: (617) 542 6000
Fax: (617) 542-2241

NOTICE OF DRAFTPERSON'S
PATENT DRAWING REVIEW

The drawing filed (insert date) NOV 04 1999, are:

- A. 1 not objected to by the Draftperson under 37 CFR 1.84 or 1.152.
B. 1 objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
Black ink. Color.

- 1 Color drawing are not acceptable until petition is granted.
Fig(s) 1
1 Pencil and non black ink is not permitted. Fig(s) 1

2. PHOTOGRAPHS. 37 CFR 1.84(b)

- 1 Photographs are not acceptable until petition is granted.
1 3 full-tone sets are required. Fig(s) 1
1 Photographs not properly mounted (must be on Bristol board or photographic double-weight paper). Fig(s) 1
1 Poor quality (half-tone). Fig(s) 1

3. TYPE OF PAPER. 37 CFR 1.84(c)

- 1 Paper not flexible, strong, white and durable.
Fig(s) 1
1 Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin)
1 Mylar, vellum paper is not acceptable (too thin).
Fig(s) 1

4. SIZE OF PAPER. 37 CFR 1.84(F): Acceptable sizes:

- 1 21.0 cm by 29.7 cm (DIN size A4)
1 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
1 All drawings sheets not the same size.
Sheet(s) 1

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

- 1 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: A4 Size
1 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: 8 1/2 x 11
1 Margins not acceptable. Fig(s) 1-4
1 Top (T) 1 Left (L)
1 Right (R) 1 Bottom (B)

6. VIEWS. CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

- 1 Views connected by projection lines or lead lines.
Fig(s) 1
1 Partial views. 37 CFR 1.84(h)(2)
1 Brackets needed to show figure as one entity.
Fig(s) 1
1 Views not labeled separately or properly.
Fig(s) 1
1 Enlarged view not labeled separately or properly.
Fig(s) 1

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)

- 1 Hatching not indicated for sectional portions of an object.
Fig(s) 1
1 Sectional designation should be noted with Arabic or Roman numbers. Fig(s) 1

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

- 1 Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig(s) 1
1 Views not on the same plane on drawing sheet. Fig(s) 1

9. SCALE. 37 CFR 1.84(k)

- 1 Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.
Fig(s) 1

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

- 1 Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality).
Fig(s) 2-4

11. SHADING. 37 CFR 1.84(m)

- 1 Solid black areas pale. Fig(s) 1
1 Solid black shading not permitted. Fig(s) 1
1 Shade lines, pale, rough and blurred. Fig(s) 1

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.48(p)

- 1 Numbers and reference characters not plain and legible.
Fig(s) 2-4
1 Figure legends are poor. Fig(s) 1-4
1 Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig(s) 1
1 English alphabet not used. 37 CFR 1.84(p)(3) Fig(s) 1
1 Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) 2-4

13. LEAD LINES. 37 CFR 1.84(q)

- 1 Lead lines cross each other. Fig(s) 1
1 Lead lines missing. Fig(s) 1

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t)

- 1 Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) 1

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

- 1 Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) 1

16. CORRECTIONS. 37 CFR 1.84(w)

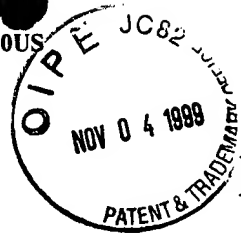
- 1 Corrections not made from PTO-948 dated 11/4/99

17. DESIGN DRAWINGS. 37 CFR 1.152

- 1 Surface shading shown not appropriate. Fig(s) 1
1 Solid black shading not used for color contrast.
Fig(s) 1

COMMENTS

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Boston, Massachusetts

**Box ISSUE FEE
Batch D04**

Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL OF PAYMENT OF ISSUE FEE UNDER 37 C.F.R. §1.311

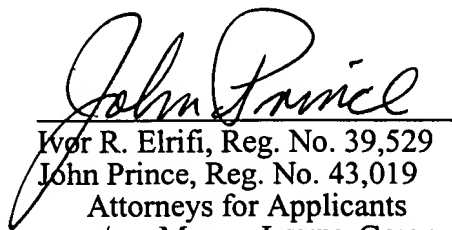
Applicants hereby pay the issue fee for the attached Issue Fee Transmittal Form PTOL 85B. A check (#4737) in the total amount of \$635.00 is enclosed herein to cover the patent issue fee under 37 C.F.R. §1.18(a) (\$605.00) and 10 advanced copies of the patent under 37 C.F.R. §1.19(a)(1)(i) (\$30.00).

Although Applicants believe that no additional fees are due in connection with this submission, the Commissioner is authorized to credit any overpayment or charge any deficiencies to Deposit Account No. 50-0311 (Reference No. 17810-049; CTI-49 DIV 1). A duplicate of this Response is enclosed herewith.

Fee under 37 C.F.R. §§1.18(a) and 1.19(a)(1)(i)	Fee
Patent Issue Fee (Small Entity)	\$605.00
10 Advanced Copies of Patent	\$30.00
Total Fee Enclosed	\$635.00

If the enclosed papers are considered incomplete, the Mail Room is respectfully requested to contact the undersigned collect at (617) 542-6000, Boston, Massachusetts.

Respectfully submitted,



Ivor R. Elrifi, Reg. No. 39,529
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